

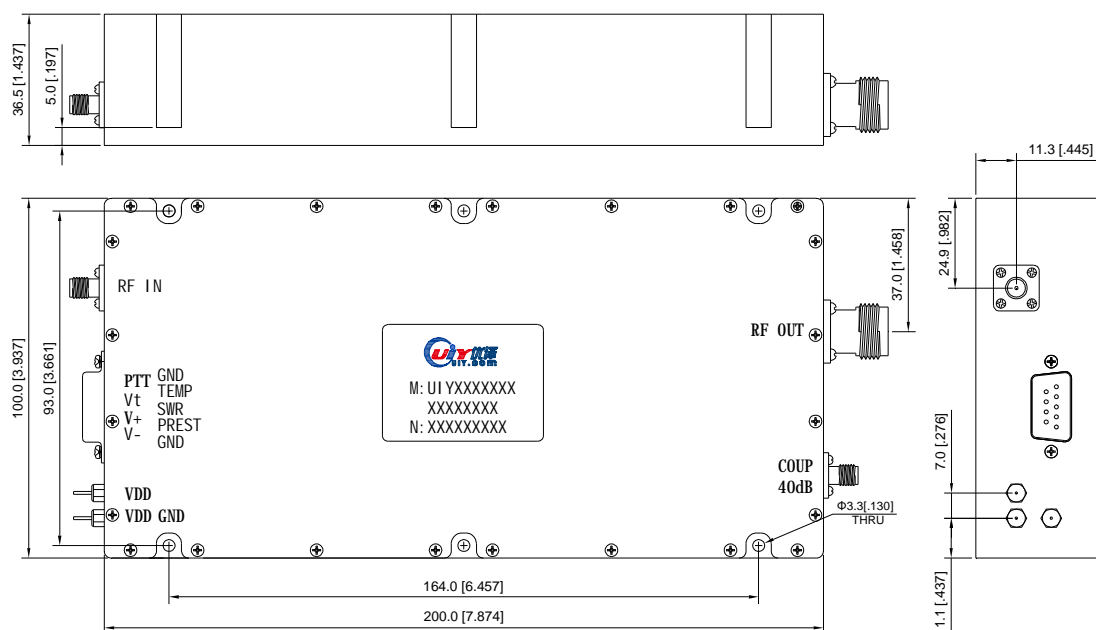
1 to 30MHz 220W – Power Amplifier

UIYPA200100H1T30SFTNF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	1		30	MHz
Power Output CW	Po	200	220		W
Saturation Output Power		250			
Power Gain @CW	G	50	53		dB
Input Power	Pin		-3	0	dBm
Gain Flatness	△G		±1.0	±1.5	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-11	-15		dBc
Even Harmonics @CW	H	-20	-25		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		28	30	Volt
Current Consumption @Po=220W	Id		14.0	16.0	A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-55		+70	°C
Connector Type	Input SMA Female, Output N Female				
² Listed are specific frequency ranges and other ranges are available.					
² Please provide the below information when inquiring and mark * is required.					
* 1. The specific pass band frequency range					
* 2. The specific Gain and Power					
3. Other special requests.					

Mechanical Drawing

Note: External heatsink is needed in this module.



GND: Grounding
 PTT: High level work, low level or hanging on shutdown
 Temp: over temperature protection, output high level at +70°C, PA shutdown
 SWR: VSWR output protection, output VSWR>3 or open circuit, output high level,pa shutdown
 Vt: PA Temperature, Vt=0.5V+TC×10mV/°C
 V+: Forward RF power Indicator
 V-: Reversed RF power Indicator
 Prest: Reset function, when it occurs protection, send a pulse signal, it can reset
 VDD: Working Voltage: +28V

Unit: mm/ inch, General part tolerance is ±2% unless otherwise stated.

Ver. 5